Shading Adjustment

● What is the purpose of the shading adjustment?

The process whereby the variations in the distribution of the lamp's light quantity are transformed into a fixed output within the scanning range is known as shading adjustment. It can be carried out by using the special shading paper which is provided with this scanner.

● When shading adjustment is required

Proceed with the compensation when the colors in some parts of the scanned images differ in the extreme, or when the image quality fails to be improved even after the inside the scanner is cleaned.

● Before proceeding with the shading adjustment

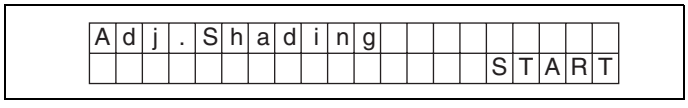
Before adjusting the shading clean the scanning section glasses and both sides of the reference plates of the upper and the lower. (See pages 34 through 35 and 37 through 42.)
If the shading adjustment is carried out while these parts are still dirty, it will not be possible to eliminate the lines that form on the scanned images.

● Shading adjustment procedure

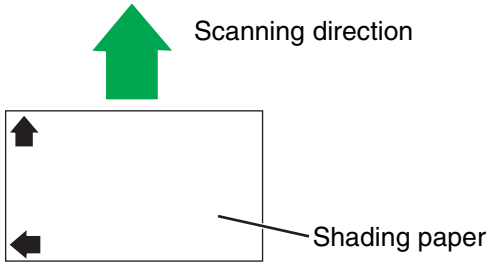
Do not turn off scanner while shading is being performed. This step will take approximately 5 minutes.

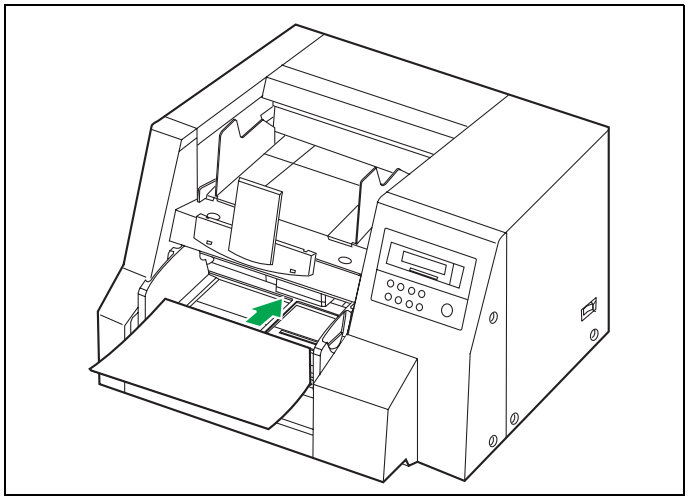
1 Set the reference plates to white side before adjusting the shading.

2 Switch on the power while pressing the ▲ key.
The LCD displays as shown on the right. When "High Speed Scanner" message appears on the LCD, release the ▲ key.

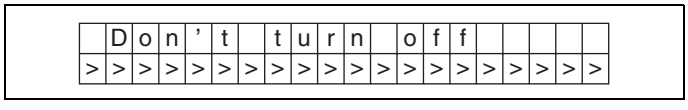


3 Place the shading paper side ways on the ADF hopper.

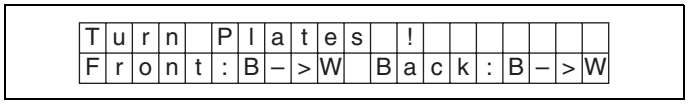




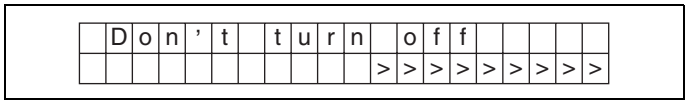
4 Press the STOP/START key.



- **If the reference plates are black, the "Turn Plates!" message will appear, open the front door and change the upper and the lower reference plates to the white side and close the front door.**

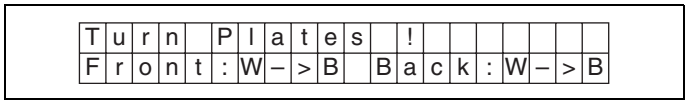


5 The shading paper will be fed into the scanner in a little while after the shading start. You will hear a clicking sound while shading is being performed. **Be sure not to open the front door or turn off the power.**



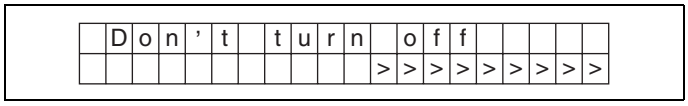
6 After the shading paper is ejected, the "Turn Plates!" message will appear, open the front door and change the upper and the lower reference plates to the black side. (See pages 34 through 35.)

Be sure not to turn off the power.

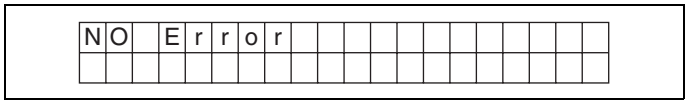


7 Close the front door.
The scanner will continue automatically.

- **The shading restarts and the LCD displays as shown on the right.**

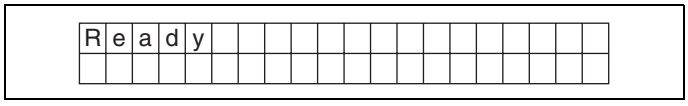


8 The shading is complete when the LCD displays as shown on the right.



9 Press the HOME key.

- **The LCD display returns to "Ready".**



Note: If you need to use white reference, please remember to rotate the reference plates back to white.

● Caution

If the scanned images are still lined after the shading adjustment has been performed and if these lines are not eliminated even after the scanning section glass areas have been cleaned, it means that the shading has not been compensated properly. Clean the parts again, and then proceed with the shading adjustment.